

Abstract

Internal Antenna for Mobile Communications Device

5 A balanced antenna is provided for a mobile telephone which couples to the outputs
from a balanced power amplifier stage without needing connection through a lossy
conversion circuit. The balanced antenna comprises two radiating elements
positioned opposite one another with the feed points positioned so that the
radiating fields from the two elements superpose. A floating ground is also
provided which reduces the effects of components located on the PCB under the
10 antenna.

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